

Figure 1

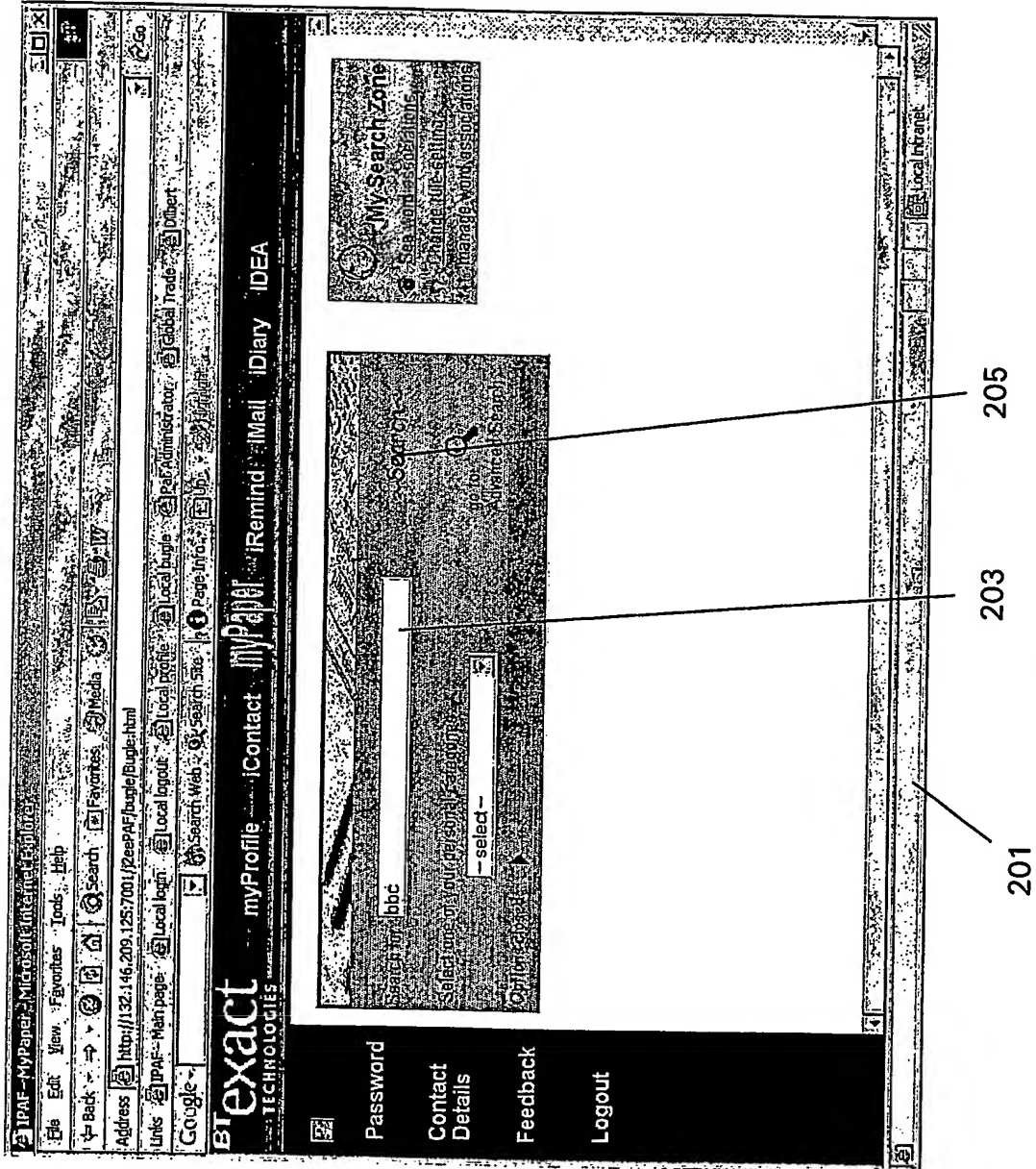
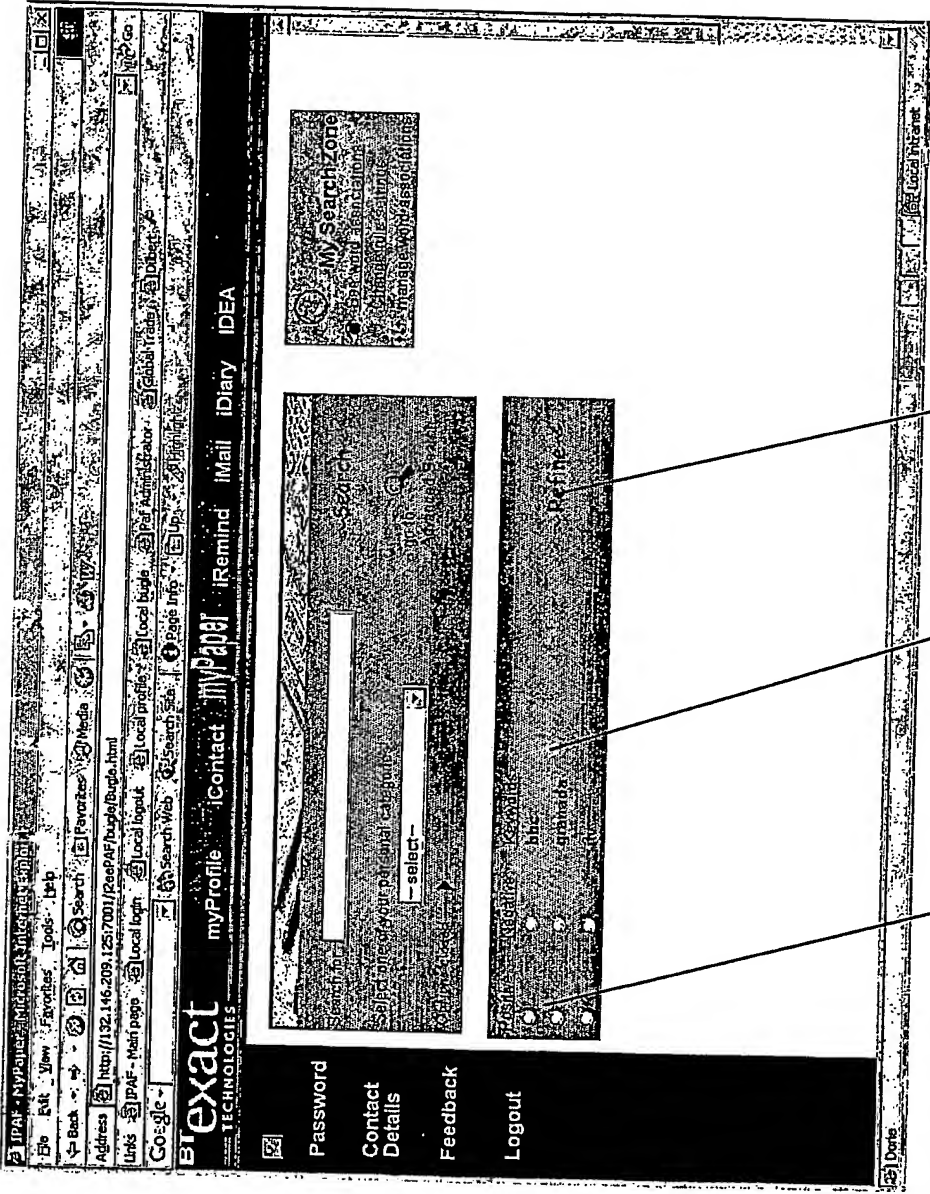


Figure 2a

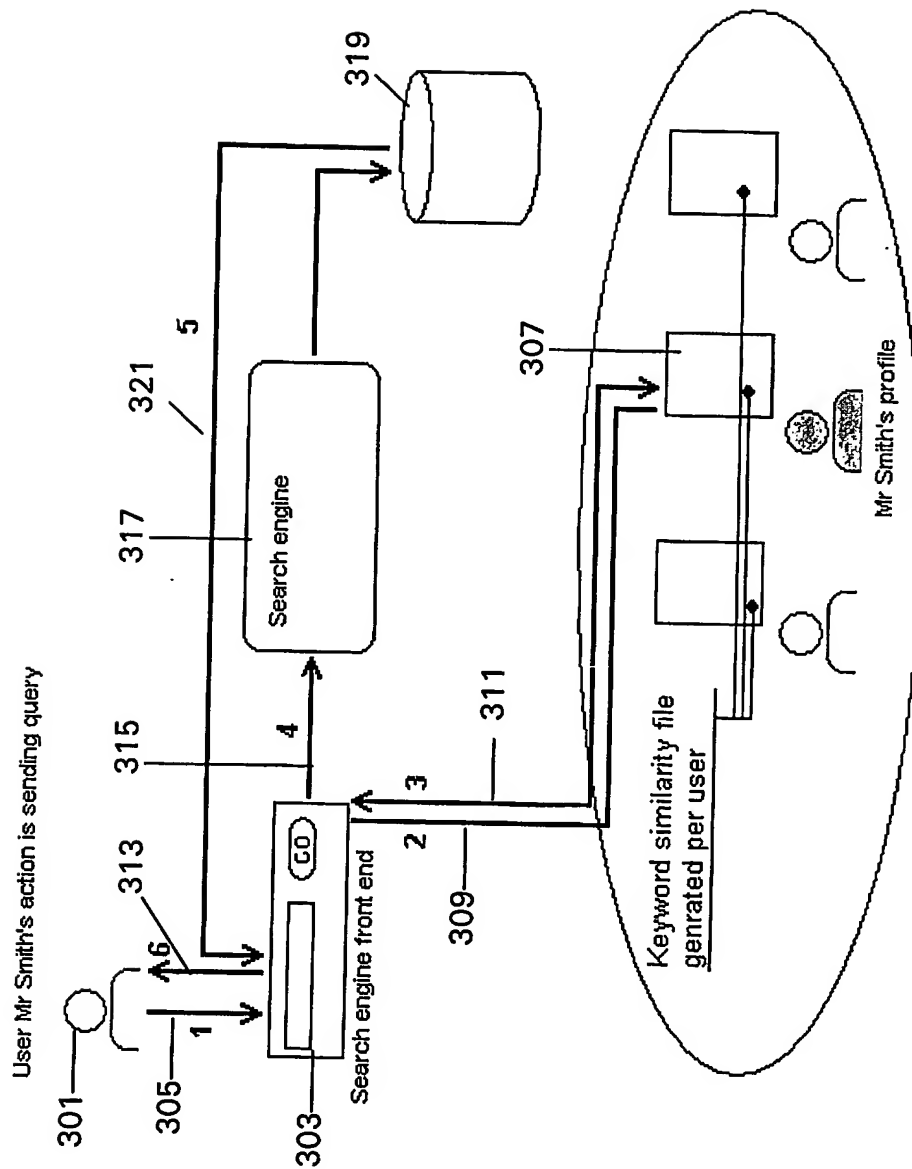


207

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Figure 2b

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**Figure 3**

- 1: User sends query
- 2: User "related keyword" profile is read and additional Boolean keywords are extracted
- 3: The user is given the Boolean terms to expand his query
- 4: The expanded query can go to a search engine (one that can handle Boolean querying)
- 5: The set of result is extracted from the data repository
- 6: The Graphical User Interface displays the results back to the user

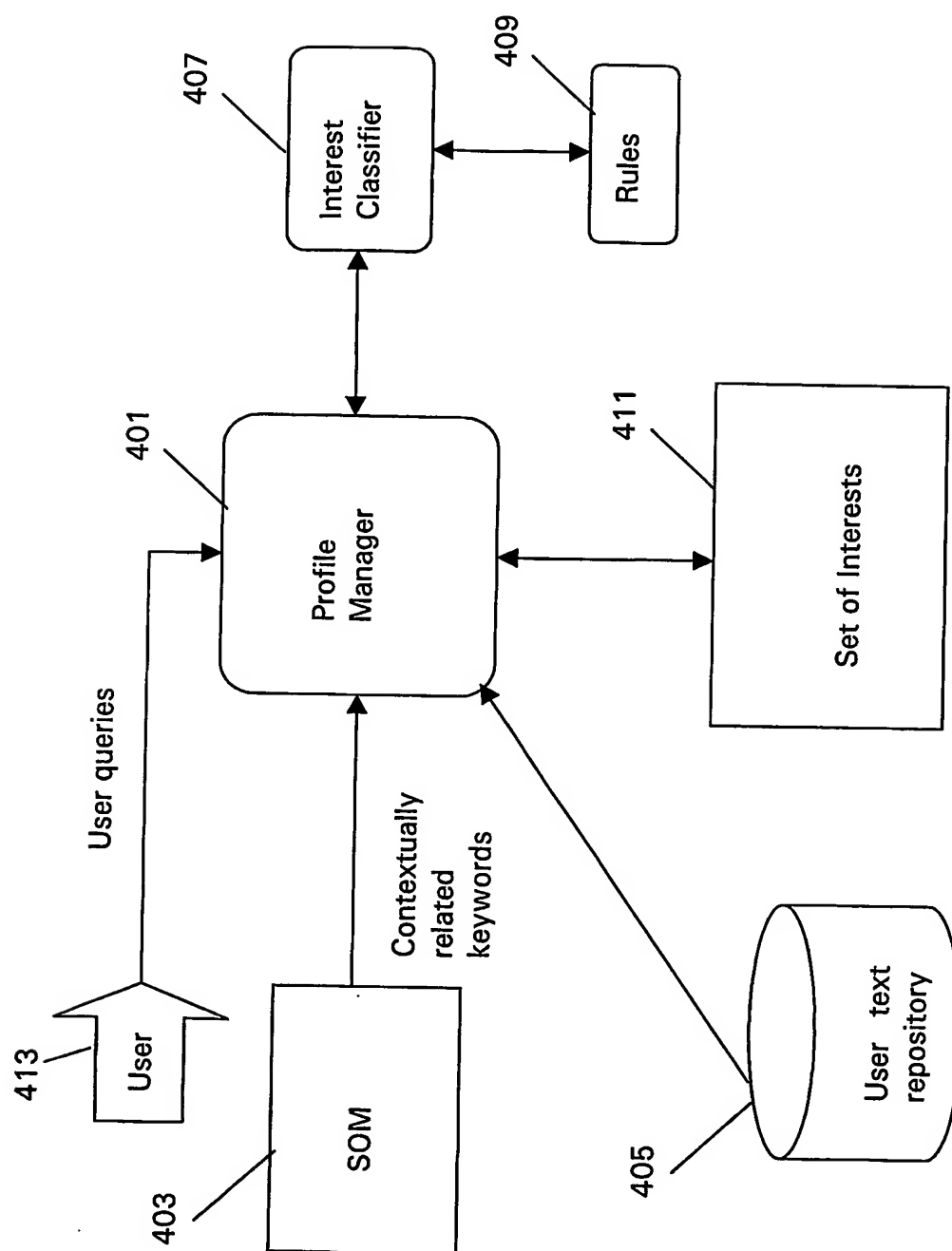
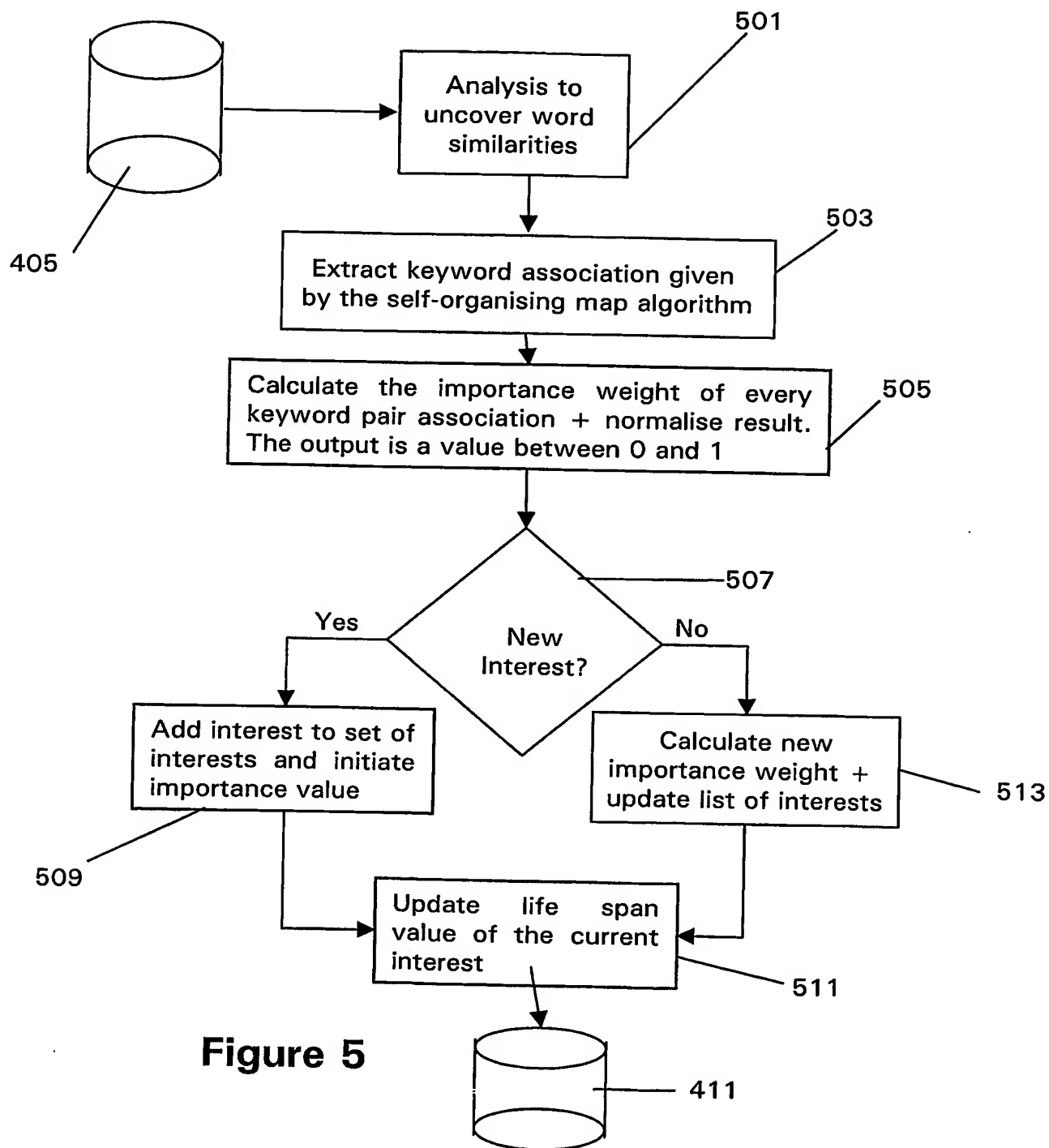


Figure 4

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**Figure 5**

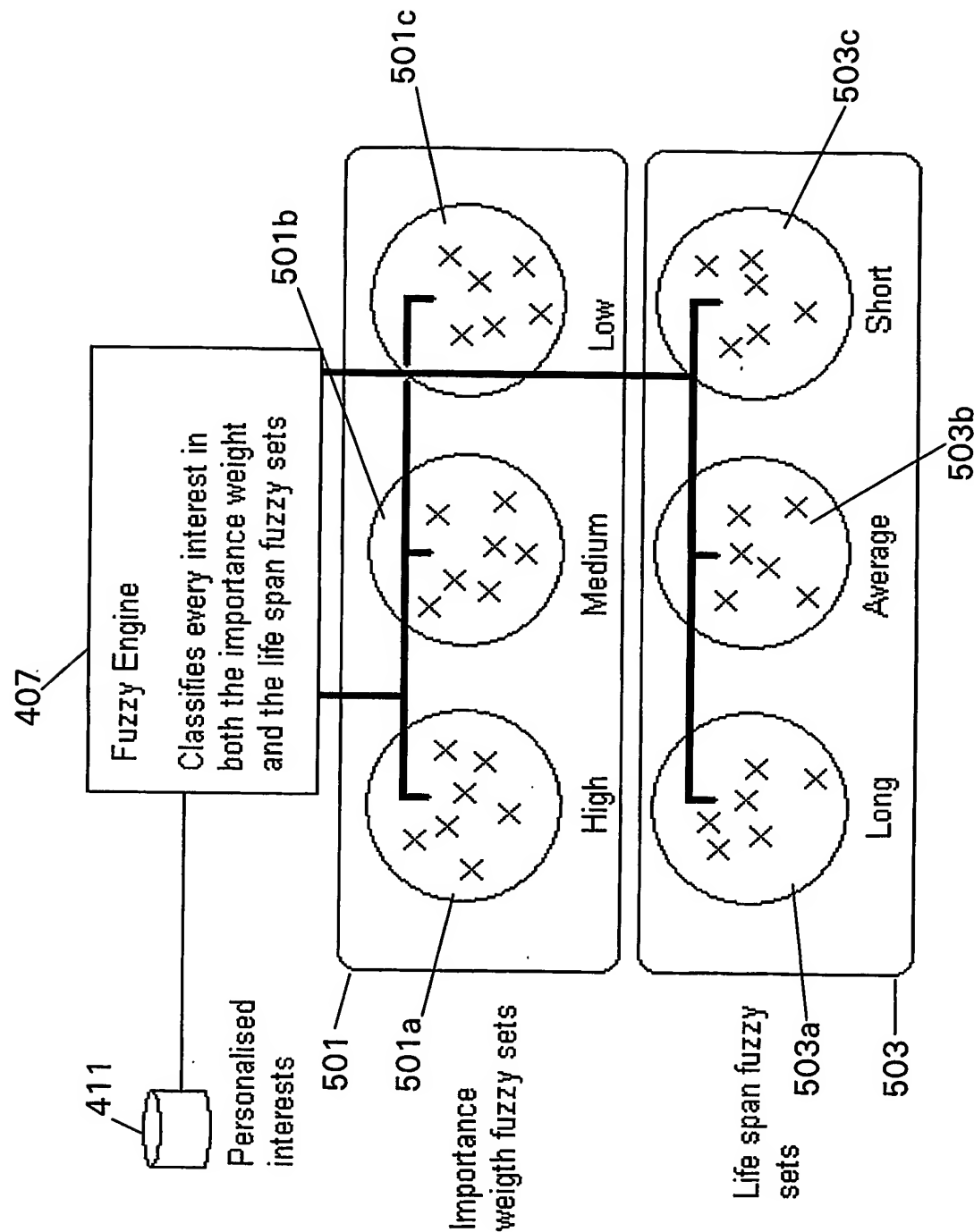


Figure 6